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# INCREASED AMBULATORY ARTERIAL STIFFNESS INDEX CORRELATED WITH MONOCYTE CHEMOATTRACTANT PROTEIN-1 IN PREHYPERTENSIVES

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**Objective** To investigate increased ambulatory arterial stiffness index correlated with plasma level and expression of monocyte chemoattractant protein-1.

**Methods** One hundred and eight subjects with prehypertension and 101 optimal normotensive subjects were eligible enrolled. Non-invasive ambulatory blood pressure monitoring was performed using automatic devices (TM-2421 and TM-2430; A&D, Tokyo, Japan) and ambulatory arterial stiffness index was calculated in all participants. Monocyte chemoattractant protein-1 expression was conducted by quantitative real-time reverse transcription-PCR (RT-PCR).

**Results** Ambulatory arterial stiffness index was  $0.48 \pm 0.10\%$  in prehypertensives, higher than that in optimism normotensives (t value=10.689, P=1 in prehypertensives).